Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB of

Substitute for form 1449A/PTO			Complete if Known	
				10/809,738
STATEMENT BY APPLICANT APR 3 0 2004 H (users many sheets as necessary)			Filing Date	March 25, 2004
			First Named Inventor	Steven Stice
			Group Art Unit	Not Assigned
			Examiner Name	Not Assigned
Sherrane	of	7	Attorney Docket Number	04342.105062 DIV

			U.S. PATENT DOCUMENTS		
Examiner Initials *	Cite No. 1	U.S. Patent Document Number Kind Code ² (if known)	I Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DC		4,994,384	Prather et.al.	02-19-1991	
מכ		5,057,420	Massey	10-15-1991	
DC		5,096,822	Rosenkrans Jr. et al.	03-17-1992	
DC		5,160,312	Voelkel	11-03-1992	
DC		5,213,979	First et. al.	05-25-1993	
DC		5,366,888	Fry et. al.	11-22-1994	
DC		5,453,366	Sims et. al.	09-26-1995	
DC_		5,480,772	Wangh	01-02-1996	
DC		5,651,992	Wangh	07-29-1997	
DC		5,773,217	Wangh	06-30-1998	
DC		5,945,577	Stice et. al.	08-31-1999	
_DC		5,496,720	Susko-Parrish et. al.	03-05-1996	
DC		6,235,969	Stice	05-22-2001	

		. מת		FOREIC	ON PATENT DOCUMENTS	3		
Examiner Initials *	Cite No.	Office 3		Code ² known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
DC		PCT	WO 90/13627			11-15-1990		
		EPO	EP0 521674	A1	• •			**
		PCT	WO 95/16770			06-22-1995		
		PCT	WO 96/07732			03-14-1996		
		PCT	WO 97-07668			03-06-1997		
		PCT	WO 97-07669			03-06-1997		
		PCT	WO 98/07841			02-26-1998	i	
		PCT	WO 98/39416		<u> </u>	09-11-1998		
DC		UK	GP 2 340 943	Α		02-23-2000		

Examiner /Deborah Crouch/ Signature	Date Considered	08/18/2006
-------------------------------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known			
SIPE		Application Number	10/809,738		
INFORMATION DISCLO	SURE	Filing Date	March 25, 2004		
STATEMENT BY APPLIC	CANT	First Named Inventor	Steven Stice		
(users many sheets as necessary)		Group Art Unit	Not Assigned		
Short many sneets as necessary)		Examiner Name	Not Assigned		
Sheet 2 of	7	Attorney Docket Number	04342.105062 DIV		

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
DC		Abeydeera et al. "Glutathione content and embryo development after in vitro fertilisation of pig oocytes matured in the presence of a thiol compound and various concentrations of cysteine," Zygote. 1999 Aug; 7(3):203-10.	
		Abeydeera et al., "Development and viability of pig oocytes matured in a protein-free medium containing epidermal growth factor," <i>Theriogenology</i> . 2000 Sep 15; 54(5):787-97.	
		Alessi et a., "The cyclin-dependent kinase inhibitors olomoucine and roscovitine arrest human fibroblasts in G1 phase by specific inhibition of CDK2 kinase activity," Exp Cel Res. 1998 Nov 25; 245(1):8-18.	
		Baguisi et al., "Induced encleation in nuclear transfer procedures to produce cloned animals," Theriogenology. 2000 Jan 1; 53(1):209.	
		Barnes et al., "Influence of recipient oocyte cell cycle stage on DNA synthesis, nuclear envelope breakdown, chromosome constitution, and development in nuclear transplant bovine embryos," <i>Mol Reprod Dev.</i> 1993 Sep; 36(1):33-41.	
		Betthauser et al., "Production of cloned pigs from in vitro systems," Nat Biotechnol. 2000 Oct; 18(10):1055-9.	
		Campbell et al., "Sheep cloned by nuclear transfer from a cultured cell line," <i>Nature</i> . 1996 Mar 7; 380(6569):64-6.	
		Chastant-Maillard et al., "Clonage et Reprogrammation du Noyau dans I'embryon Préimplantatoire," Gynécol Obstét Ferril, (2000), Vol. 28, pp. 649-658.	
		Cheong et al., "Birth of mice after transplantation of early cell-cycle-stage embryonic nuclei into enucleated oocytes," Biol Reprod. 1993 May; 48(5):958-63.	
		Cibelli et al., "Cloned transgenic calves produced from nonquiescent fetal fibroblasts," Science. 1998 May 22; 280(5367):1256-8.	
		Collas et al., "Nuclear transplantation by microinjection of inner cell mass and granulosa cell nuclei," Mol Reprod Dev. 1994 Jul; 38(3):264-7.	
$\overline{\mathbf{V}}$		Collas et al. (1992) Influence of Cell Cycle Stage of the Donor Nuclear on Development for Nuclear Transplant Rabbit Embryos. Biology of Reproduction. Vol. 46, pp. 492-500.	
DC		Compton, "New tools for the antimitotic toolbox," Science. 1999 Oct 29; 286(5441):913-4.	

Examiner Signature /Deborah Crouch/	Date Considered	08/18/2006
-------------------------------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Linder the Panerwork Reduction Act of 1995, no nemons are

		of intoffiction diffess it contains a valid Olvid control number.	
Substitute for form 1449A/PTO	Complete if Known		
	Application Number	10/809,738	
STATEMENT BY APPLICANT	Filing Date	March 25, 2004	
STATEMENT BY APPLICANT	First Named Inventor	Steven Stice	
APR 3 0 2004 Harmany sheets as necessary)	Group Art Unit	Not Assigned	
	Examiner Name	Not Assigned	
Silver of 7	Attorney Docket Number	04342.105062 DIV	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Te
DC		Compton, "An improved Method for Routine Preparation of Intact Artificial Chromosome DNA (340-1000 kb) for Transfection into Human Cells" <i>Nucleic Acids Res.</i> 1999, Vol. 27, No. 7, pp. 1762-1765.	
		Curnock et al., "Embryo transfer in pigs: a method for introducing genetic material into primary specific-pathogen-free herds," Am J Vet Res. 1976 Jan; 37(1):97-8.	
		De Sutter et al., "Parthenogenetic activation of human oocytes by puromycin," J Assist Reprod Genet. 1992 Aug; 9(4):328-37.	
		De Vos et al., "In-vitro matured metaphase-I oocytes have a lower fertilization rate but similar embryo quality as mature metaphase-II oocytes after intracytoplasmic sperm injection," <i>Hum Reprod.</i> 1999 Jul; 14(7):1859-63.	
		Du et al., "Development of nuclear transfer embryos using porcine fetal fibroblasts," Theriogenology, 1999 Jan 1; 51(1):201.	
		Fehilly et al. (1985) Cytogeentic and Blood Group Studies of Sheep/Goat Chimaeras. J. Reprod. Fert. 1985., Vol. 74, pp. 215-221.	
		Gandhi et al., "Substrate utilization in porcine embryos cultured in NCSU23 and G1.2/G2.2 sequential culture media," <i>Mol Reprod Dev.</i> 2001 Mar; 58(3):269-75.	
		Gibbons, John R., "Novel Pig Cloning Procedures for Xenotransplantation," Grant Abstract, Grant Number 1R43HL065806-01 [online]. National Heart, Lung, and Blood Institute, National Institutes of Health, project dates 09/01/00-02/28/01 [retrieved on 2001-09-24]. Retrieved from the Internet: URL: , 2 pages.">2 pages.	
		Goto et al., "Birth of cloned calves derived from cultured oviductal epithelial cells of a dairy cow," Anim Sci J. 1999; 70(4):243-245.	
		Graham, "The fusion of cells with one- and two-cell mouse embryos," Wistar Inst Symp Monogr. 1969; 9:19-35.	
		Gulyas, "Ultrastructural observations on rabbit, hamster and mouse eggs following electrical stimulation in vitro," Am J Anat. 1976 Oct; 147(2):203-18.	
V V		Hazeleger et al., "State of the art in pig embryo transfer," Theriogenology. 1999 Jan 1; 51(1):81-90.	
DC		Hill et al., "Clinical and pathologic features of cloned transgenic calves and fetuses (13 case studies)," Theriogenology. 1999 Jun; 51(8):1451-65.	

Examiner Signature	/Deborah Crouch/	Date Considered	08/18/2006
			00/10/2000

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control nu

Substitute for form 1449A/PTO		Complete if Known		
		Application Number	10/809,738	
ANTORMATION DISCLO	OANT	Filing Date ·	March 25, 2004	
STATEMENT BY APPLI	CANT	First Named Inventor	Steven Stice	
APR 3 0 2004 the many sheets as necessary	v)	Group Art Unit	Not Assigned	
		Examiner Name	Not Assigned	
Sheet OAD MARKET Of	7	Attorney Docket Number	04342.105062 DIV	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Té
DC		Inoue et al., "Activation of mitogen-activated protein kinase during meiotic maturation in porcine oocytes," Zygote. 1995 Aug; 3(3):265-71.	
		Kato et al., "Eight calves cloned from somatic cells of a single adult," Science. 1998 Dec 11; 282(5396):2095-8.	
		Keefer et al., "Effect of Follicle-Stimulating Hormone an Luteinizing Hormone During Bovine In Vitro Maturation on Development Following In Vitro Fertilization and Nuclear Transfer," <i>Molecular Reproduction and Development</i> ," (1993), Vol. 36, pp. 469-474.	
		Kikuchi et al., "Cytoplasmic maturation for activation of pig follicular oocytes cultured and arrested a metaphase I," J Reprod Fertil. I 1999 May; 116(1):143-56.	
	·	Kikyo et al., "Reprogramming Nuclei: Insights From Cloning, Nuclear Transfer and Heterokaryons," Journal of Cell Science, (2000), Vol. 113, pp. 11-20.	
		Kubota et al., "Six cloned calves produced from adult fibroblast cells after long-term culture," <i>Proc Natl Acad Sci U S A.</i> 2000 Feb 1; 97(3):990-5.	
		Kühholzer et al., "Production of transgenic porcine blastocysts by nuclear transfer," Mol Reprod Dev. 2000 Jun; 56(2):145-8.	
		Kwon et al., "Production of identical sextuplet mice by transferring metaphase nuclei from four-cell embryos," <i>Proc Natl Acad Sci U S A.</i> 1996 Nov 12; 93(23):13010-3.	
		Liu et al., "Parthenogenetic development and protein patterns of newly matured bovine oocytes after chemical activation," Mol Reprod Dev. 1998 Mar; 49(3):298-307.	
		Machaty et al., "Complete activation of porcine oocytes induced by the sulfhydryl reagent, thimerosal," Biol Reprod. 1997 Nov; 57(5):1123-7.	
		Meirelles et al "Complete Replacement of the Mitochondrial Genotype in a Bos indicus calf Reconstituted by Nuclear Transfer to a Bos Taurus Oocyte. Genetics. May 2001, Vol. 158, pp. 351- 356.	
		Miyoshi et al., "Improvement in development of porcine embryos reconstituted with cells from blastocyst-derived cell lines and enucleated oocytes by optimization of reconstruction methods." Cloning. 2000; 2(4):175-184.	
DC		Miyoshi et al., "Establishment of a porcine cell line from in vitro-produced blastocysts and transfer of the cells into enucleated oocytes," <i>Biol Reprod.</i> 2000 Jun; 62(6):1640-6.	

Examiner Signature	/Deborah Crouch/	Date Considered	08/18/2006

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ¹ See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 07/31/2006. OMB 0651-0031

Steven Stice

Under the Paperwork Reduction Act of 1995, no person		at and Trademark Office: U.S. DEPARTMENT OF COMMERCE ion of information unless it contains a valid OMB control number.		
Substitute for form 1449 A/PTO	Complete if Known			
	Application Number	10/809,738		
INFORMATION DISCLOSURE	Filing Date	March 25, 2004		
STATEMENT BY APPLICANT	First Named Inventor	Steven Stice		

Group Art Unit Not Assigned (use as many sheets as necessary) **Examiner Name** Not Assigned Attorney Docket Number Sheet 5 7 04342.105062 DIV of

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Té
DC		Miyoshi et al., "Development of Porcine Embryos Reconstituted with Somatic Cells and Enucleated Metaphase I and II Oocytes Matured in a Protein-free Medium," BMC Developmental Biology, (2001), Vol. 1.	
		Miyoshi et al., "Transfer of porcine blastocyst-derived cells into enucleated oocytes," <i>Theriogenology</i> . 2001 Jan 1; 51(1):201.	
		Ogura et al., "Development of normal mice from metaphase I oocytes fertilized with primary spermatocytes," <i>Proc Natl Acad Sci U S A</i> . 1998 May 12; 95(10):5611-5.	
		Onishi et al., "Pig cloning by microinjection of fetal fibroblast nuclei," Science. 2000 Aug 18; 289(5482):1188-90.	
		Ono et al., "Cloned mice from fetal fibroblast cells arrested at metaphase by a serial nuclear transfer," Biol Reprod. 2001 Jan; 64(1):44-50.	
		Polejaeva et al., "Cloned pigs produced by nuclear transfer from adult somatic cells," <i>Nature</i> . 2000 Sep 7:407(6800):86-90.	
		Polejaeva et al., "New Advances in Somatic Cell Nuclear Transfer: Application in Transgenesis," Theriogenology. (2000), Vol. 52, No. 1, pp. 117-126.	
		Powell et al., "Effects of fibroblast source and tissue-culture medium on success of bovine nuclear transfer with transfected cells," <i>Theriogenology</i> . 2001 Jan 1; 51(1):287.	
		Prather et al., "Nuclear transplantation in the bovine embryo: Assessment of donor nuclei and recipient oocyte." Biol Reprod. 1987 Nov; 37(4):859-66.	
		Prather et al., "Nuclear transplantation in early pig embryos," <i>Biol Reprod.</i> 1989 Sep; 41(3):414-8. Prather et al., "Development of the techniques for nuclear transfer in pigs," <i>Theriogenology.</i> 1999 Jan 15; 51(2):487-98.	
		Seshagiri et al., "Glucose inhibits development of hamster 8-cell embryos in vitro," <i>Biol Reprod.</i> 1989 Mar; 40(3):599-606.	
		Stice et al., "Nuclear reprogramming in nuclear transplant rabbit embryos," Biol Reprod. 1988 Oct; 39(3):657-64.	
V		Stice et al., "Bovine nuclear transfer embryos: oocyte activation prior to blastomere fusion," Mol Reprod Dev. 1994 May; 38(1):61-8.	
DC		Stice et al., "Cloning: New Breakthroughs Leading to Commercial Opportunities," <i>Theriogenology</i> , (1998), Vol. 49, pp. 129-138.	

Examiner /Deborah Crouch/ Cons	ered 08/18/2006
--------------------------------	-----------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB of

Substitute for form 1449A/PTO			Complete if Known		
			Application Number	10/809,738	
			Filing Date	March 25, 2004	
STATEMENT BY APPLICANT		First Named Inventor	Steven Stice		
			Group Art Unit	Not Assigned	
(use as many sneets as necessary)		Examiner Name	Not Assigned		
6	of	7	Attorney Docket Number	04342.105062 DIV	
	ORMATION D TEMENT BY	ORMATION DISCLATEMENT BY APPL	ORMATION DISCLOSURE TEMENT BY APPLICANT (use as many sheets as necessary)	PRIMATION DISCLOSURE Filing Date First Named Inventor Group Art Unit Examiner Name	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials * No. 1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		Stice et al., "Pluriopotent bovine embryonic cell lines direct embryonic development following nuclear transfer," Biol Reprod. 1996 Jan; 54(1):100-10.	T ⁶					
		Susko-Parrish et al., "Inhibition of protein kinases after an induced calcium transient causes transition of bovine oocytes to embryonic cycles without meiotic completion," <i>Dev Biol.</i> 1994 Dec; 166(2):729-39.						
		Szöllösi et al., "Inhibition of protein kinases by 6-dimethylaminopurine accelerates the transition to interphase in activated mouse oocytes," <i>J Cell Sci.</i> 1993 Mar; 104(Pt 3):861-72.						
		Tani et al., "Direct exposure of chromosomes to nonactivated ovum cytoplasm is effective for bovine somatic cell nucleus reprogramming," Biol Reprod. 2001 Jan; 64(1):324-30.						
		Tao et al., "Development of pig embryos by nuclear transfer of cultured fibroblast cells," Cloning. 1999; 1(1):55-62.						
		Tao et al., "Development of pig embryos reconstructed by microinjection of cultured fetal fibroblast cells into in vitro matured oocytes," Anim Reprod. Sci. 1999 Jun 28:56(2):133-41.						
		Tervit et al., "Successful culture in vitro of sheep and cattle ova," J Reprod Fertil. 1972 Sep; 30(3):493-7.						
		Wakayama et al., "Full-term development of mice from enucleated oocytes injected with cumulus cell nuclei," Nature. 1998 Jul 23; 394(6691):369-74.						
		Wakayama et al., "Mice cloned from embryonic stem cells," Proc Natl Acad Sci USA. 1999 Dec 21; 96(26):14984-9.						
		Wells et al., "Production of cloned calves following nuclear transfer with cultured adult mural granulosa cells," Biol Reprod. 1999 Apr; 60(4):996-1005.						
		Wickramasinghe et al., "Centrosome phosphorylation and the developmental expression of meiotic competence in mouse oocytes," <i>Dev Biol.</i> 1992 Jul; 152(1):62-74.						
		Willadsen, "Nuclear transplantation in sheep embryos," Nature. 1986 Mar 6; 320(6057):63-5.						
		Wilmut et al., "Viable offspring derived from fetal and adult mammalian cells," Nature. 1997 Feb 27; 385(6619):810-3.						
\bigvee		Yang et al., Electric field-induced activation of rabbit oocytes," <i>Biol Reprod.</i> 1992 Jul; 42(Suppl 1):117(abstract 268).						
DC		Yang et al. "Nuclear Totipotency of Cultured Rabbit Morulae to Support Full-term Development Following Nuclear Transfer" Biology of Reproduction. 1992; Vol. 47, 636-643.						

Examiner /Deborah Crouch/	Date Considered	08/18/2006
---------------------------	--------------------	------------

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required

Substi	Substitute for form 1449A/PTO			Complete if Known		
				Application Number	10/809,738	
	FORMATIO			Filing Date	March 25, 2004	
STATEMENT BY APPLICANT			LICANT	First Named Inventor	Steven Stice	
	(vac as		1	Group Art Unit	Not Assigned	
	(use as many sheets as necessary)			Examiner Name	Not Assigned	
Sheet	7	of	7	Attorney Docket Number	04342.105062 DIV	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T⁵
DC		Zimmerman et al., "Electric field-induced cell-to-cell fusion," J Membr Biol. 1982; 67(3):165-82.	
		Search Report dated October 14, 2002	

Examiner	/Deborah Crouch/	Date	08/18/2006
Signature		Considered	00/10/2000

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.